

L 2106-65

ACCESSION NR: AP4042329

2

by the number of opened-closed stopcock cycles at 25-200 atmospheres before the seal was broken. It was concluded that the yield value obtained could be used as a basic laboratory index of the operating properties of the thickened lubricants. The nature of the filler and its particle size and concentration affect the yield value. The inert filler, graphite, did not change the molecular structure of the soap but increased the yield value approximately proportionally to its concentration. The particle size of the graphite changed the yield value only slightly. The active fillers TiO_2 , Al_2O_3 , Fe_2O_3 and mica did not affect the strength of the soap but raised the yield point much less than graphite. The effect of the particle size of this type of fillers on the yield value was significant. It was found that the finer particle material (35-50 micron) increasing the yield values much more than the larger particle filler (100-120 micron). The colloidal stability of the lubricant with mica was higher than with graphite. The chemically reactive fillers ZnO , MgO and PbO significantly lowered the yield value even at 5-10% concentrations, lowered the drop point 35-40 degrees, affected the colloidal stability and changed the structure of the lubricant from crystalline to amorphous (MgO and PbO) or fibrous (ZnO). Orig. art. has: 4 figures and 3 tables.

ASSOCIATION: MINKh 1 GP

Card 2/3
2

L 20365-66 EWT(m)/T/EWP(t) IJP(c) JD/JG/DJ

ACC NR: AP6006446

(A)

SOURCE CODE: UR/0065/66/000/002/0024/0026

AUTHORS: Fuks, I. G.; Vaynshtok, V. V.; Chernozhukov, N. I.

ORG: MINKh I GP

TITLE: Influence of fillers on the thickening ability of lithium soaps

SOURCE: Khimiya i tekhnologiya topliv i masel, no. 2, 1966, 24-26

TOPIC TAGS: lubricant, organometallic lubricant, lubricant additive, lithium compound, viscosity, lubricant filler additive

ABSTRACT: The effect of different fillers on the thickening ability of lithium soaps when added to castor oil and cabel oil^{S-220} was investigated to extend the previously published work of I. G. Fuks, V. V. Vaynshtok, N. I. Chernozhukov, and B. N. Kartinin (Khim. i tekhnol. topliv i masel, No. 7, 1964). The thickening ability was determined at 0, 50, and 100C after the method described in Konsistentnyye smazki. Trudy MINKh i GP, vyp. 32 Gostoptekhzdat, 1960, and the effective viscosity was determined at 20C according to the procedure specified by GOST 7163-63. The experimental results are tabulated. It was found that the thickening effect of the lithium soap depended on the nature and concentration of the dispersive medium. Addition of mica and graphite fillers to lithium grease

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UDC: 621.892.8

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ACC NR: AP6006446

increases the viscosity and strength limit of the latter. The change in viscosity when expressed as a function of filler concentration exhibits a maximum. Orig. art. has: 3 tables.

SUB CODE: 11/ SUBM DATE: none

Card 2/2 vmb

I 45714-66 E.T.(M)/I D.I

ACC NR: AP6026501

(A)

SOURCE CODE: UR/0318/66/000/005/0025/0029

AUTHOR: Vaynshtok, V. V.; Karakash, S. I.; Lavento, R. A.; Kras kovskaya, M. I.

ORG: Moscow Institute of Petrochemical and Gas Industry im. I. M. Gubkin (Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti)

TITLE: Synthetic fatty acids as raw material for lithium greases ¹¹ 25
B

SOURCE: Neftepererabotka i neftekhimiya, no. 5, 1966, 25-29

TOPIC TAGS: fatty acid, grease, soap

ABSTRACT: The paper reviews the results of studies of synthetic fatty acids (SFA) as raw materials for the preparation of lithium greases. It is shown that such greases prepared from SFA have properties equivalent to those of similar greases prepared from stearic acid. The best raw material for the production of lithium greases are saponified fractions of thermally modified SFA, particularly C₁₀-C₁₆. It is necessary to organize their production in order to meet the needs of the lithium grease industry. As raw material for the production of lithium greases, SFA (particularly those obtained without thermal modification) have a number of disadvantages, which result from a high content of unoxidized paraffin, unsaponified oxygen-containing products, and products insoluble in petroleum ether. The development of methods for improving the quality of SFA is necessary. Orig. art. has: 4 tables.

SUB CODE: 11/ SUBM DATE: none/ ORIG REF: 007

Card 1/1 DLR

UDC: 665.123.002.614:665.637.6.002.3

L 43081-66 EWT(1)/EWT(m)/T/EWP(t)/ETI IJP(c) GG/JD
ACC NR: AR60114373 (A,N) SOURCE CODE: UR/0137/65/000/011/0039/0039

AUTHORS: Goryunova, N. A.; Averkiyeva, G. K.; Vaynsoln, A. A.

TITLE: On the possibility of obtaining single crystals of polycrystalline alloys

SOURCE: Ref. zh. Metallurgiya, Abs. 110275

REF SOURCE: Sb. Fizika. Dokl. k XXIII Nauchn. konferentsii Leningr. inzh.-stroit. in-ta. L., 1965, 52-53

TOPIC TAGS: gallium, copper, selenium, arsenic, germanium containing compound, gallium arsenide, alloy, zone melting, annealing

ABSTRACT: The possibility of obtaining homogeneous single crystals of the quintuple system formed on the basis of Ga arsenide and the ternary compound Cu_2GeSe_3 was investigated. For synthesis of specimens starting with 60% (3GaAs)--40% Cu_2GeSe_3 , the x-ray powder pictures show only one system of lines corresponding to the ZnS structure. The alloy lattice periods follow approximately the law of Vegard. However, a complete homogeneity of specimens was not achieved; the x-ray pictures showed lines of a second phase. Annealing did not remove these lines. Zone melting yielded an ingot, a 10-mm length of which had a one-phase structure. By the method of transport reaction, using iodine as the transporting agent, single crystals of the following composition were obtained: ~ 80% (3GaAs)--20% Cu_2GeSe_3 , of size 3 x 2 x 2 mm. (From RZh. Fiz.) [translation of abstract]

SUB CODE: 11

UDC: 669.621.315

L 01303-67	EWT(m)/EWP(j)/EWP(t)/ETI	IJP(c)	JD/WB/RM
ACC NR: AP6003433	(A)	SOURCE CODE: UR/0065/66/003/001/0043/0051	
AUTHOR: Dol'berg, A. L.; Vaynshtok, V. V.; Kreyn, S. Z.; Sakhter, Yu. N.; Poddubnyy, V. N.			
ORG: none			
TITLE: Production of <u>nitrated</u> petrolatum-base <u>corrosion</u> inhibitors			
SOURCE: Khimiya i tekhnologiya topliv i masel, no.1, 1966, 48-51			
TOPIC TAGS: petroleum product, corrosion inhibitor, steel, corrosion protection			
ABSTRACT: Ozocerite and petrolatum-base corrosion inhibitors are now made by oxidation with air at 130-160C in the presence of a catalyst. The preparation takes 10-24 hr. A less time-consuming method was offered for producing a corrosion inhibitor from petrolatum. It consisted of treating petrolatum with a 62% HNO ₃ solution, neutralizing the reaction product with a 20% aqueous solution of NaOH without removal of the spent HNO ₃ , and dehydration. The nitrated and neutralized petrolatum was completely soluble in oil and insoluble in water. The test on the corrosion-protective properties of the 5% solution of nitrated petrolatum in transformer oil made with St.45 steel proved that, as a corrosion inhibitor, the product was not inferior, if not superior, to the oxidized petrolatum. The optimal consumption of HNO ₃ was determined as 10%. Nitrating petrolatum with large amounts of HNO ₃ (≥30%) contributed in some cases to its corrosive properties			
Card 1/2	UDC: 665.521.5 : 66.095.81 : 620.193		

L 01003-21

ACC NR: AP6003433

with respect to the steel. The treatment of oxidized petrolatum with small amounts (5-15%) of 62% HNO_3 with neutralization by NaOH and dehydration yielded an inhibitor soluble both in water and in oils. This permitted it to be used in the form of either oil or water solutions. The most effective corrosion inhibitors for the steel was the oxidized petrolatum, having an acid number of 30-45 after treatment with 15% addition of the 62% HNO_3 solution. The quality of the inhibitors depended greatly on the purity of the final product. For this purpose the nitrated oxidized petrolatum was purified of spent HNO_3 by settling and treated with NaOH to a neutral reaction. The product of nitration of oxidized petrolatum was tested as a corrosion inhibitor for ferrous and nonferrous metals (Al, duralumin, Cu, Pb, Sn, bronze, Mg alloys, steels, solder, cast iron, and in combinations of metal-wood and metal-rubber). In all cases it provided for long-lasting and reliable protection. The nitration of oxidized petrolatum from the Kazan NPZ was made in a pilot plant installation with 62% HNO_3 (consumption 15%) at 70-90C for 4 hr without settling out any of the spent HNO_3 . The nitrated product had an acid number of 90 mg KOH. The final neutralized inhibitor had an ash content of 7.5%, an alkalinity by phenolphthalein of 1.2 mg KOH and by bromophenol blue of 65.7 mg KOH, a water content of 1.6% Dean and Stark, and good protective properties of the 5% solution in transformer oil for St.45 steel: more than 30 days in water before the appearance of corrosion nuclei. The nitrated petrolatum and the nitration of oxidized petrolatum can be made in the same simple apparatus which is used for the nitration of mineral oils. Orig. art. has: 5 tables.

SUB CODE: 11,13/ SUBM DATE: none/ ORIG REF: 006/ OTH REF: 002

Card

2/2 *llh*

L 29708-66 EWT(m)/T DJ
ACC NR: AP6015115

(A)

SOURCE CODE: UR/0065/66/000/005/0026/0030

AUTHOR: Fuks, I. G.; Vaynshtok, V. V.; Kartinin, B. N.; Chernozhukov, N. I.

ORG: MINKh and GP

TITLE: Effect of surface active agents on the structure and strength characteristics of lithium lubricants with fillers ||

SOURCE: Khimiya i tekhnologiya topliv i masel, no. 5, 1966, 26-30

TOPIC TAGS: lubricant surface active agent, alkali metal lubricant, lithium compound, shear stress

ABSTRACT: The effect of stearic acid and glycerin admixtures on the structure and properties of lithium lubricants prepared with S-220 oil with and without fillers (mica and graphite in amounts of 5, 15, and 30 wt. %) was studied. The lubricants were prepared by thickening the oil with lithium stearate (20 wt. %). The dependence of the limit shear stress of the lubricants containing fillers on the concentration of the surfactants (stearic acid, glycerin, and water) has an extremal character: minimum limit shear stress values correspond to surfactant concentrations of

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UDC: 621.892.8

L 29708-66

ACC NR: AP6015115

0

up to 0.2% while maximum values correspond to higher concentrations. Critical concentrations of surfactants in the lubricants correspond to sharp differences in their structure. The presence of fillers enhances the effect of surfactants on the strength characteristics and causes the difference in the maximum values of the limit shear stress to increase (particularly when the concentration of fillers is raised). Glycerin and stearic acid considerably increase the thickening effect of lithium stearate in castor oil. Orig. art. has: 4 figures and 1 table.

SUB CODE: 11/ SUBM DATE: 00/ ORIG REF: 011/ OTH REF: 000

Card 2/2 CC

VAYNSHTOK, V.V.; KARTININ, B.M.; GOLDFE, G.L.

Structure of lubricants in mixed soaps. Izv. Akad. Nauk SSSR
242-250 '63. (MIRA 18:5)

ABSTRACT: This paper presents the first results of experimental studies de-

32336
S/081/61/000/024/072/086
B151/B101

11.9400 also 1583
AUTHORS: Vaynshtok, V. V., Kartinin, B. N., Avchina, S. A., Levento,
R. A.

TITLE: Combination of lithium and aluminum soaps in consistent
greases

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 24, 1961, 471, abstract
24M96 (Tr. Mosk. in-t neftekhim. i gaz. prom-sti, no. 32,
1960, 41 - 52)

TEXT: The optimum temperatures of isothermal crystallization of soft
greases containing mono- and distearates of Al are 120 and 80°C,
respectively. In these conditions the greases have their highest
viscosity, limiting shear stress and drop-fall temperature, etc. For
the same weight concentrations a greater thickening effect is exhibited
by the distearate while for equal molecular concentrations by the mono-
stearate of Al. The temperature dependence of the volume-mechanical
properties of the greases thickened with Al distearate is much more
pronounced than with greases thickened with Al monostearate. For studying

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Card 2/2

Abstract: [Illegible text]

[Illegible text]

ADDITIONAL INFORMATION

NO REF SOV: 006

OTHER: 000

Card ^{2/2} 2/2

L 2939-66 EWT(m)/EPF(c)/EWP(j)/T/EWP(t)/EWP(b) JD/WW/NB/RM

ACCESSION NR: AP5024386

UR/0286/65/000/015/0068/0068
620.197.3

AUTHOR: ^{44.55}Shekhter, Yu. N.; ^{44.55}Vaynshtok, V. V.; ^{44.55}Dol'berg, A. L.; ^{44.55}Kalashnikov, V. P.;
^{44.55}Poddubnyy, V. N.; ^{44.55}Goryacheva, V. I.; ^{44.55}Rozvadovskaya, I. N.; ^{44.55}Levitin, M. K.

TITLE: Preparative method for corrosion inhibitors for metals. Class 23,
No. 173366

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 15, 1965, 68

TOPIC TAGS: corrosion inhibitor

ABSTRACT: An Author Certificate has been issued for a preparative method for corrosion inhibitors for metals which involves petroleum product nitration. To increase the inhibitor effectiveness, to lower its cost, and to widen the range of available inhibitors, petrolatum, or oxidized petrolatum, or pyro polymers, or a mixture thereof are nitrated. [SM]

ASSOCIATION: none

SUBMITTED: 09Mar63
NO REF SOV: 000
Card 1/1 PC

ENCL: 00
OTHER: 000

SUB CODE: MM
ATD PRESS: 4110

S/019/61/000/003/040/101
A154/A027

AUTHORS: Zhuze, T.P., Yushkevich, G.N., Gekker, I.Ye., Vaynshtok, V.V.,
and Bondarevskiy, G.D.

TITLE: A Method of Obtaining MHI-10 (MNI-10) Admixture for Lubri-
cating Oils and Consistent Lubricants

PERIODICAL: Byulleten' izobreteniy, 1961, No. 3, pp. 34-35

TEXT: Class 23c, 104. No. 135564 (637721/23 of August 31, 1959).
The above-named admixture is derived from high-molecular esters of fatty
spirits and acids. The new method results in obtaining an admixture having
anticorrosion and wear-resistant qualities, that forms stable solutions with
oil at low temperatures. As the initial raw material for producing this
admixture, wastes are used, leftover from the separation of lanolin from a
raw wool fat, e.g. by the compressed-gases extraction method.

Card 1/1

ZHUZE, T.P., doktor khim.nauk; YUSHKEVICH, G.N., kand.khim.nauk;
GEKKER, I.Ye. inzh.; VAYNSHTOK, V.V., inzh.; BONDAREVSKIY,
G.D., inzh.

Complex processing of wool fat. Masl.-zhir.prom. 25
no.11:25-27 '59. (MIRA 13:3)

1. Institut geologii i razrabotki goryuchikh iskopayemykh
AN SSSR (for Zhuzh, Yushkevich). 2. Institut biokhimi AN
SSSR (for Gekker). 3. MINKh i GP (for Vaynshtok,
Bondarevskiy).
(Wool fat) (Lanolin)

MINKH - Moscow Inst. of National Economy im. B. V. Plekhanov
GP - State Planning

15-6600

11.9700

31565

S/081/61/000/022/061/076

B101/B147

AUTHORS: Vaynshtok, V. V., Bondarevskiy, G. D., Gekker, I. S.,
Kraskovskaya, M. I., Kartinin, B. N.

TITLE: Multifunctional additives to lubricants based on natural and
synthetic ether acids

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 22, 1961, 396 - 397,
abstract 22M121 (Tr. Mosk. in-t. neftekhim. i gaz. prom-sti,
no. 32, 1960, 53 - 67)

TEXT: Investigations of multifunctional additives showed that ramified
structures were characteristic of synthetic ether acids (mixture of esters
and compounds containing a lactone or lactide group besides free carboxyl
or hydroxyl groups) formed during oxidation of ceresin wax (MHW-7 (MNI-7)
additive) or petrolatum (MHW-5 (MNI-5) additive). They contain several
active groups (COOH, OH, COOR, where R= hydrocarbon radical) in the
molecule. Thus, they are capable of increasing the antiwear, adhesive,
and anticorrosive properties of oils and hydrocarbon lubricants, and of
lowering their solidification point. Similar properties were found for

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Multifunctional additives to...

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natural ether acids contained in the residue of wool grease after extraction of lanolin from degreas by compressed hydrocarbon gases. Such residues look like oxidized petrolatum, and are primarily a mixture of esters and inter-esters, as well as free fatty acids, pigment, etc. The wool grease residue was designated MHA-10 (MNI-10) additive. The authors try to explain the multifunctional effect of ether acids. [Abstracter's note: Complete translation.] ✓

Card 2/2

32340
S/081/61/000/024/076/086
B151/B101

11.7400 *also* 1583

AUTHORS: Vaynshtok, V. V., Kartinin, B. N.

TITLE: Thixotropic properties of consistent greases

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 24, 1961, 472, abstract
24M100 (Tr. Mosk. in-t neftekhim. i gaz. prom-sti, no. 32,
1960, 116-129)

TEXT: A study of the mechanical stability of soft greases was carried out by breaking them down in a mixer, using a penetrometer with a mechanical drive, and by measurement of the residual shear stress (θ_{nr}), both straight after breakdown as well as after a prolonged resting period (up to 2,000 hours). It was shown that, in a number of cases, what was measured was the power spent in breaking down the greases and the liberation of heat during the grease mixing process. For characterizing the breakdown of the structure, electron microscope technique was used. It has been shown that the breakdown of the soap-thickened fats increases with the degree of deformation. With synthetic greases the opposite

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Thixotropic properties of consistent ...

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effect was found. During the resting period Θ_{nr} for the fat greases increases in a number of cases up to the original value. With the synthetic greases thixolabile breakdown (absence of recovery after breakdown) was observed, although several samples of the synthetic greases quickly grew stronger during the resting period. During an investigation of greases thickened with Li stearate, Al distearate, Pb stearate, and Ca soaps of hydrogenated fats, it was found that Θ_{nr} decreased least with the Ca greases while the other greases gave relatively similar results in this connection. Thixotropic hardening was most apparent with Ca and Pb and, to a lesser degree, with Li and Al greases. The Li grease from oils of an aromatic nature is broken down more intensively than greases from oils of the naphthene type. Increase of temperature increases the thixotropic recovery of the greases. It was found that with fat greases the structural elements (soap filaments) are shortened by the deforming action of the shear while with Li greases they are aggregated and with Pb greases they are both aggregated and broken up in the longitudinal and perpendicular directions [Abstracter's note: Complete translation]

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S/081/61/000/024/073/086
B151/B101

11.9400 also 1583

AUTHORS: Vaynshtok, V. V., Kartinin, B. N., Karakash, S. I.

TITLE: The effect of additions of lead soaps on the structure and properties of lithium greases

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 24, 1961, 471 - 472, abstract 24M97 (Tr. Mosk. in-t neftekhim. i gaz. prom-sti, no. 32, 1960, 27 - 40)

TEXT: It has been found that the optimum temperature of crystallization of Li soap in the preparation of greases is 110°C . However, at this temperature it is not possible to prepare greases containing lead soaps, the crystallization of which proceeds below room temperatures. In these conditions it is possible to obtain lithium-lead greases. The addition of Pb stearate to greases thickened with Li stearate lowers their drop-fall temperatures. The colloidal stability of the greases firstly drops (on the introduction of up to 20% Pb stearate, based on the soap thickener) and then improves again. The limiting shear stress drops at

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The effect of additions of...

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first (up to 30% Pb stearate), then rises (40% Pb stearate) and then drops again (50% Pb stearate). The viscosity of Li greases shows little effect from the introduction of Pb stearate. The mechanical stability of the greases, evaluated by the change in residual limiting shear stress after their breakdown in a mixer using a penetrometer, drops with increasing concentration of lead soap. The preparation of Li greases containing more than 50% Pb stearate was not possible, although greases thickened with Pb stearate only were obtained. Examination with an electron microscope showed that the structure of the Li soap changes on the addition of Pb stearate to the grease. Similarly, the dimensions and form of the crystallites of the lead soap depend on the relative proportion of Li stearate present in the grease. [Abstracter's note: Complete translation.] ✓

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36765

S/081/62/000/001/059/067
B162/B101

11.9400

AUTHORS: Vaynshtok, V. V., Kartinin, B. N., Karakash, S. I., Avchina, S. A.

TITLE: Investigation of lithium greases thickened with soaps of natural and synthetic acids

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 1, 1962, 448, abstract 1M171 (Tr. Mosk. in-t neftekhim. i gaz. prom-sti, no. 32, 1960, 11 - 26)

TEXT: It is established that the cooling methods used in the production of Li greases do not make it possible to control the process of crystallization of the thickener and lead to the production of low-quality products with a polydisperse structure. Greases thickened with technical stearate of Li, obtained by isothermic crystallization at 130°C possess optimum properties and are characterized by a structure formed of elementary particles of uniform shape and size. High-quality greases can be produced with Li-soaps of technical 12-hydroxystearic acid, and also with Li-soaps of synthetic C₁₀ - C₁₆ and C₁₀ - C₂₁ carboxylic acids, the

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Investigation of lithium greases...

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greatest thickening capacity being found in Li-soap of C₁₀ - C₁₆ acids.
[Abstracter's note: Complete translation.]

Card 2/2

TSESARSKAYA, S.I., doktor med.nauk; EMANUEL', M.I.; MATLIS, L.Ye., kand.
med.nauk; VAYNSHTOK, V.Z.

Dynamics of the isolation of bacilli in tuberculosis patients
depending on the methods of treatment. Probl. tub. 41 no.10:
37-42 '63. (MIRA 17:9)

1. Iz Odesskogo nauchno-issledovatel'skogo instituta tuberkuleza
(dir. M.A.Brusnikin) i Odesskogo meditsinskogo instituta.

VAINSON, A.A.; VOSKRSEENSKIY, N.N., inzh., red.

[Hoisting and conveying machinery] Pod"emno-
transportnye mashiny. Izd. 2., perer. i dop. Moskva,
Mashinostroenie, 1964. 591 p. (MIRA 17:10)

VAYNSHTOK, V.Z.

Determination of C-reactive protein in patients with minor forms
of pulmonary tuberculosis. Probl. tub. no.7:37-40 '64.

(MIRA 18:10)

1. Odesskiy nauchno-issledovatel'skiy institut tuberkuleza
(dir. M.A. Brusnikin).

VAYNSON, A. A.

PA 28T26

USSR/Engineering
Tires, Pneumatic
Cranes

Jul 1947

"The Operation of Pneumatic Tires of Auto Cranes and Single Motor Cranes," A. A. Vaynson, Candidate in Technical Sciences, MISI imeni Kuybyshev, 2 pp

"Mekhanizatsiya Stroitel'stva" No 7

Discussion of the proper use of pneumatic tires on portable cranes, with particular attention to the load of the crane and the internal pressure in the tire. The relationship between speed and permissible load is also treated.

LC

28T26

PA 70T42

VAYNSON, A. A.

USSR/Engineering
Winches

Apr 1948

"Winch of Greater Cable Capacity," A. A. Vaynson, Cand
Tech Sci, MISI imeni Kaybyshev, 34 pp

"Mekh Stroi" No 4

Describes construction of winch, additions made to
make it accommodate more cable, and transmission and
reduction used in the power drives.

70T42

12393 *Stroitel'nye Mashiny. Chast I. (Building Machinery. Part I.)* N. G. Dombrovskii, A. A. Vainsan, and K. V. Allerov. 431 pages. 1949. Government Publishing House of Building Literature, Moscow, U.S.S.R. (Th900 D71s)

Covers problems of construction, theory, and design of basic types of construction machinery. It is principally a textbook for mechanical engineers and machine designers. Part I covers general problems of theory and design of construction and transporting machinery, earth movers, and hoists.

VAINSON, A. A.

Vaynson, A. A. "Ar power load drop in cranes with internal-combustion engines",
Mekhanizatsiya stroit-va, 1949, No. 5, p. 10-13.

SO: U-4393, 19 August 53, (Letopis 'Zhurnal 'nyhk Statey', No. 22, 1949).

VAYNSON, Adolf Abramovich, kandidat tekhnicheskikh nauk; TROITSKIY, Kh.L., kandidat tekhnicheskikh nauk, redaktor; PERSON, M.N., tekhnicheskiy redaktor

[Hoisting, transporting and excavating machinery] Pod'emno-transportnye i zemleroiynye mashiny. 2-e izd., perer. i dop. Moskva, Gos. izd-vo lit-ry po stroitel'stvu i arkhitekture, 1955. 477 p.
(Hoisting machinery) (Excavating machinery) (MLRA 8:8)

YAYNSON A.A.

DOLGOLENKO, Anatoliy Aleksandrovich, doktor tekhnicheskikh nauk, professor; RUDENKO, N.P., professor, doktor tekhnicheskikh nauk, retsenzent; YAYNSON, A.A., dotsent, kandidat tekhnicheskikh nauk, retsenzent; GOMOZOV, I.M., kandidat tekhnicheskikh nauk, retsenzent; GOKHBERG, M.M., redaktor; VOLCHOK, K.M., tekhnicheskii redaktor

[Hoisting and conveying machines] Pod'emno-transportnye mashiny. Izd. 3-e, perer. Leningrad, Izd-vo "Rechnoi transport," 1956. 379 p. (MIRA 10:3)

(Hoisting machinery) (Conveying machinery)

KOGAN, Iosif Yakovlevich; VAYNSON, A.A., dots., kand. tekhn. nauk, retsenzent;
SLEZNIKOV, G.I., inzh., red.; MODEL', B.I., tekhn. red.

[Pillar cranes for use in building; design and construction]
Stroitel'nye bashennye krany; konstruktسيا i raschet. Moskva,
Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1958. 305 p.
(Cranes, derricks, etc.) (MIRA 11:9)

WAYNSON, A.A. kand.tekhn.nauk

Problems in the theory of dumping excavator buckets. Sbor.
trud.MISI no.26:214-226 '58. (MIRA 12:1)
(Excavating machinery)

RAYSON, A.A., dots., kand. tekhn. nauk

Some problems in the theory of blade-type ditch diggers. Nach.
dokl. vys. shkoly; stroi. no. 4: 87-95 '58. (MIRA 12:7)

1. Rekomendovana kafedroy stroitel'nykh mashin Moskovskogo inzhenerno-
stroitel'nogo instituta imeni V.V. Kuybysheva.
(Excavating machinery)

VAYNSON, Adol'f Abramovich, dotsent, kand.tekhn.nauk; SLEZNIKOV, G.I.,
inzh., nauchnyy red.; GORDEYEV, P.A., red.izd-va; STEPANOVA,
E.S., tekhn.red.

[Hoisting and conveying machinery] Pod'emno-transportnye mashiny.
Moskva, Gos.izd-vo lit-ry po stroit., arkhitekt. i stroit.materialam,
1959. 458 p. (MIRA 12:10)
(Hoisting machinery) (Conveying machinery)

KOGAN, I.Ya.; VAYNSON, A.A., kand. tekhn. nauk, retsenzent;
KRIMERMAN, M.N., inzh., red.

[Pillar cranes for use in building] Stroitel'nye bashen-
nye krany. Izd.2., perer. i dop. Moskva, Izd-vo "Mashino-
stroenie," 1964. 378 p. (MIRA 17:8)

L 26687-66 EWT(1)/EWT(m)/T JK

ACC NR: AP6016901

SOURCE CODE: UR/0020/65/165/004/0933/0936

AUTHOR: Vaynsen, A. A.; Kuzin, A. M. (Corresponding member AN SSSR) 25
B

ORG: Institute of Biological Physics, AN SSSR (Institut biologicheskoy fiziki AN SSSR)

TITLE: DNA^b synthesis following irradiation of the cytoplasm and nuclei of HeLa cells with an alpha-particle microbeam

SOURCE: AN SSSR. Doklady, v. 165, no. 4, 1965, 933-936

TOPIC TAGS: DNA, biosynthesis, radiation biologic effect

ABSTRACT: The study deals with the effect of radiation on the synthesis (replication) of DNA molecules in the cytoplasm and nuclei of HeLa cells in culture tissue. The cells were synchronized with respect to the S-period by adding thymidine for 21 hours $[G_1 + M + G_2]$ and the data -- necessary for the synchronization -- on the duration of individual stages of the mitotic cycle were obtained by the tracer method. Local irradiation of the cells was carried out for a period of from 3 to 5 hours when the maximum number of cells was in the S-period, and was performed at room temperature with alpha-particles of Po^{210} . It was found that irradiation of the part of cytoplasm located at a distance of 2-3 microns from the cell nucleus, i.e., when the direct incidence of alpha-particles onto the unique

Card 1/2

UDC: 578.088.5

L 26687-66

ACC NR: AP6016901

structures of the nucleus is completely precluded, leads to a definite suppression of the rate of DNA synthesis (by 18% at a 6,300-rad dose) as established by Ag-granule counts. The rate of this suppression markedly increases with time. Considering that the toxic products, with their low molecular weight, take a few minutes to spread through the cell, it is logical to assume that the observed intensification of the effect is due to the prolonged post-radiation formation of new radiotoxins rather than to their slow diffusion toward the nucleus. It is thus concluded that the formation of radiotoxins is a major factor in the suppression of DNA synthesis. Orig. art. has: 4 figures and 2 tables. [JPRS]

SUB CODE: 06 / SUEM DATE: 16Jul65 / ORIG REF: 004 / OTH REF: 015

Card 2/2 B.H.G.

VAYNSON, A.A.; KUZIN, A.M.

Synthesis of DNA induced by irradiation of cytoplasm and nucleus
of FeLa cells with a microbeam of α -particles. Dokl. AN SSSR
165 no.4:933-936 D '65. (MIRA 18:12)

1. Institut biologicheskoy fiziki AN SSSR. 2. Chlen-korrespondent
AN SSSR (for Kuzin).

L 4413-66 EAT(m)

ACC NR: AP5025929

SOURCE CODE: UR/0205/65/005/0752/0756

AUTHOR: Vaynson, A. A.

ORG: Biophysics Institute, AN SSSR, Moscow (Institut biologicheskoy fiziki AN SSSR)

TITLE: Apparatus for local irradiation of animal cells with a microbeam of alpha particles

SOURCE: Radiobiologiya, v. 5, no. 5, 1965, 752-756

TOPIC TAGS: microscope, local irradiation, alpha ray

ABSTRACT: A description is given of a special microscope attachment which includes a diaphragm, making it possible to obtain a beam of alpha particles 4-8 μ wide for local irradiation of cells. A diagram of the apparatus is given in Fig. 1. This microscope attachment has several refinements. The diameter of the microbeam and its power can be changed, and the diaphragm can be prepared more simply. Measurement and dosimetry of the alpha beam are done photographically. This device is intended

Card 1/2

UDC: 539.128.4:621.039.55

L 11/13-66

ACC NR: AP5025929

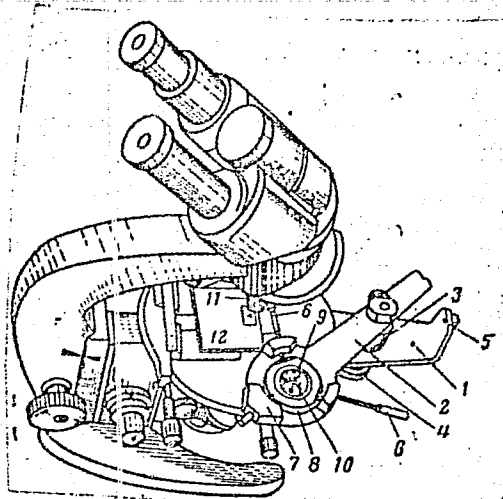


Fig. 1. Apparatus for local irradiation of cells

- 1 - Base; 2 - diaphragm carriage; 3 - sleeve for vertically adjustable carriage pivot;
- 4 - carriage elevating screw; 5 - carriage lock; 6 - set screws; 7 - tension spring;
- 8 - collar holding cup with diaphragm; 9 - diaphragm; 10 - "cup" holding diaphragm;
- 11 - radiation source; 12 - plexiglass slide.

for study of the radiation effect on the cytoplasm and cell nucleus with respect to cell metabolism. Orig. art. has: 3 figures.

[JS]

SUB CODE: LS, OP/ SUBM DATE: 21Jan65/ ORIG REF: 003/ OTH REF: 012/ ATD PRESS: 4/25

Card 2/2-

KRIGER, Yu.A.; SVERDLOVA, Ye.A.; VAYNSON, A.A.

Change in the physicochemical properties of erythrocytes
caused by heating. Nauch. dokl. vys. shkoly; biol. nauki
no.3:76-81 '64 (MIRA 17:8)

1. Rekomendovana kafedroy biofiziki Moskovskogo gosudarstven-
nogo universiteta.

KRIGER, Yu.A.; VAYNSON, A.A.

Change in the electric resistance of erythrocytes under the
action of gamma rays. Nauch. dokl. vys. shkoly; biol. nauki no.
4;80-83 '63 (MIRA 16:11)

1. Rekomendovana kafedroy biofiziki Moskovskogo gosudarstven-
nogo universiteta im. M.V.Lomonosova.

VAYNSON, A.A.

Device for local irradiation of animal cells with the
microbeam of α -particles. Radiobiologiya 5 no.5:752-
756 '65. (MIRA 18:11)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.

RUMYANTSEV, V.A.; MOROZOV, Ye.M.; FIGLIN, I.Z.; FILIPPOV, A.G.;
VAINSON, A.A., kand. tekhn. nauk, retsenzent;
SAVEL'YEV, Ye.Ya., red.izd-va; UVAROVA, A.P., tekhn.red.

[Chain and bucket trenching excavators] Tsepnye transheinye
ekskavatory. Moskva, Mashgiz, 1963. 129 p. (MIRA 16:12)
(Trench digging machines)

YEVNEVICH, Anton Vladislavovich, kand. tekhn. nauk; VAYNSON, A.A.,
kand. tekhn. nauk, retsenzent; TARASENKO, M.S., inzh.,
retsenzent; VASIL'YEV, A.A., inzh., red.; USPENSKIY, K.G.,
red. izd-va; CHERNOVA, Z.I., tekhn. red.

[Hoisting and conveying machinery at building materials
plants] Gruzopod"emnye i transportiruiushchie mashiny na
zavodakh stroitel'nykh materialov. Izd.3., perer. Mo-
skva, Mashgiz, 1962. 351 p. (MIRA 15:8)

(Building materials industry) (Hoisting machinery)
(Conveying machinery)

VAYNSON, A.A.; RUDENKO, N.F., doktor tekhn. nauk, prof., retsenzent;
KASPEROVICH, N.S., inzh., red.; DEMKINA, N.F., tekhn. red.

[Hoisting and conveying machinery of the construction industry;
atlas of technical drawings] Pod'emno-transportnye mashiny
stroitel'noi promyshlennosti; atlas konstruksii. Moskva, Mash-
giz, 1962. 151 p. (MIRA 16:3)
(Hoisting machinery) (Conveying machinery)

FROLOV, Petr Terent'yevich, kand. tekhn. nauk, prof.; GINKEVICH, Petr Stepanovich, kand. tekhn. nauk, dots.; YEFIMOV, Sergey Grigor'yevich, kand. tekhn. nauk, dots.; BAUMAN, V.A., retsenzent; SHADRIN, I.A., prof., retsenzent; DUBINSKIY, P.F., doktor tekhn. nauk, prof., retsenzent; MONAKHOV, I.G., dots., retsenzent; FIITSUKOV, M.A., dots., retsenzent; CHERNYAKOV, L.M., dots., retsenzent; ANDREYEV, B.K., dots., retsenzent; SHADRINA, G.N., dots., retsenzent; VAYNSON, A.A., nauchnyy red.; SHAROVA, Ye.A., red. izd-v4; VORONINA, R.K., tekhn. red.

[Principles of the mechanization construction work] Osnovy mekhanizatsii stroitel'nykh rabot. Moskva, Vysshaia shkola, 1962. 299 p. (MIRA 16:4)

1. Chlen-korrespondent Akademii stroitel'stva i arkhitektury SSSR (for Bauman). 2. Kafedra stroitel'nogo proizvodstva Moskovskogo instituta inzhenerov zheleznodorozhnogo transporta (for Dubinskiy, Monakhv, Fiitsukov, Chernyakov, Andreyev, Shadrina). 3. Zaveduyushchiy kafedroy stroitel'nogo proizvodstva Moskovskogo instituta inzhenerov zheleznodorozhnogo transporta (for Shadrin).

(Construction equipment) (Automatic control)

VAYNSON, A.A., kand.tekhn,nauk, dotsent

Investigating static and dynamic loads in the operating mechanism
of a multiple-cut trench excavator (fundamentals of the theory).
Sbor.trud. MISI no.31:27-52 '60. (MIRA 14:3)
(Excavating machinery)

VAZNSON, A.A., kand.tekhn.nauk, dotsent

Fundamentals of theory of blade trench excavators. Sbor.trud. MISI
no.31:53-88 '60. (MIRA 14:3)

(Excavating machinery)

VAINSON, A.A., kand.tekhn.nauk, dotsent

Investigating the process of unreeling and heavy flexible body
from a durm. Sbor.trud. MISI no.31:89-103 '60. (MIRA 14:3)
(Winding machines)

BRAUN, D.A., dotsent, kand.tekhn.nauk; VAYNSON, A.A., kand.tekhn.nauk;
DZHUNKOVSKIY, N.N., dotsent; ZIMIN, P.A., kand.tekhn.nauk;
VERONIKOV, G.V., nauchnyy red.; KRYUGER, Yu.V., red.izd-va;
EL'KINA, E.M., tekhn.red.

[Manual for building machinery operators] Spravochnik mekhanika
po ekspluatatsii stroitel'nykh mashin. Pod red. P.A.Zimina.
Moskva, Gos.izd-vo lit-ry po stroit., arkhitekt. i stroit.materialam.
1960. 567 p. (MIRA 13:10)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut organi-
zatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stvu.
(Building machinery--Maintenance and repair)

14(2)

PHASE I BOOK EXPLOITATION

SCV/3248

Vaynson, Adolf Abramovich, Candidate of Technical Sciences, Docent

Pod'yemno-transportnyye mashiny (Hoisting and Conveying Machinery)
Moscow, Gosstroyizdat, 1959. 458 p. Errata slip inserted.
22,000 copies printed.

Scientific Ed.: G. I. Slezaikev, Engineer; Ed. of Publishing House:
F. A. Gordeyev; Tech. Ed.: E. S. Stepanova.

PURPOSE: This is a textbook for students specializing in building
and road-building machinery and equipment at schools of higher
education for civil and highway engineering.

COVERAGE: The book deals with basic questions of the theory, design,
construction, and operation of hoisting, conveying, and loading
and unloading machinery used in the building industry. The
prospects for further development of such machinery and equipment
are discussed. No personalities are mentioned. There are 60
references, all Soviet.

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SOV/3248

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Conclusion. Development of Hoisting and Conveying Technology
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Card 6/6

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4-26-60

VAYNSON, Ya.R.; GORIN, M.A.

Equipping bulldozers with a device to drain water. Stroi.truborov.
9 no.2:26-27 F '64. (MIRA 17:3)

1. Stroitel'noye upravleniye No.7 tresta Soyuzprovodmekhanizatsiya,
Zaslavl', Minskoy obl.

VAYNSON, Ya.R., inzh. (Minsk)

Earthwork in inundated and swampy localities. Stroi. trube prov.
8 no.1:25-26 Ja '63.

(MIRA 16:5)

(Earthwork)

VAYNSTEYN, B.A.

Structure of the forelimb in spider mites (Acariformes, Tetranychidae). Biol.MOIP. Otd.biol. 64 no.5:146-149 8-0 '59.

(MIRA 13:6)

(RND SPIDER)

(INSECTS--ANATOMY)

VAYNSTOK, I.B.

Mechanism of paraplegic flexion contractures. Nevropat.
psikhiat., Moskva 19 no.4:48-51 July-Aug. 1950(CIML 20:1)

1. Of the First Clinic for Nervous Diseases (Consultant --
Prof. Slonimskaya), Kiev Psychoneurological Institute (Scientific
Director -- Honored Worker in Science Prof. B. N. Man'kovskiy, Active
Member of the Academy of Medical Sciences USSR; Director --
P. S. Tarasenko).

VAYNTRAUB, A. M.

DECEASED

1963/1

c. 1961

VETERINARY MEDICINE

See ILC

VAYNTRAUB, D.A., inzhener.

Sturdiness of punching dies. Vest.mash. 33 no.9:91-92 S '53. (MLRA 6:10)
(Dies (Metal-working))

MOCHALOV, V.A.; MATYUSHCHENKO, D.D.; KRIVITSKIY, A.A.; GLEZER, G.N.;
OPARIN, I.M.; KHEYMAN, E.L.; SMETNEV, N.N.; EPSHTEYN, A.L.;
GUSEV, B.Ya.; LEYKIN, L.P.; MARCHENKO, G.M.; FISHKOV, V.G.;
SAPROVSKIY, S.V.; LYAKHOVSKIY, I.I.; SMELYAKOV, Ye.P.; VAINTRAUB,
D.A.; BUDYLIN, M.M.; NOTKIN, Ye.M.; KUR, G.Ye.; ARONSHTEYN, N.A.;
SUKHAREV, V.I.; VINOGRADOV, K.N.; BOBROVSKIY, N.S.

Innovators' certificates and patents. Mashinostroenie no. 2:
103-109 Mr-Ap '64. (MIRA 17:5)

VHYNTRN-L, P.N.

USSR/Engineering-Punch-press work

Card : 1/1

Authors : Vaintraub, D. A., Engineer

Title : The technology of dressing the products of shaping dies

Periodical : Vest. Mash. 34/5, 57 - 61, May 1954

Abstract : A description is given of a better method of dressing in the manufacture of machines and tools. This method requires previous determination of the number of operations to be performed and preparation of blanks with as little excess material as possible. The use of several dies in successive operations is recommended to avoid deformation through subjecting the part to too great a strain. The form and dimensions of these dies are described as well as the principles of their construction. Table; drawings.

Institution :

Submitted :

VAYNTRAUB, D.A.

Die for cutting out and trimming with minor waste. Priborostroenie
no.2:18 F '63. (MIRA 16:5)

(Dies (Metalworking))

VAYNTRAUB, D.A., inzhener.

"Design and production of drop stamps." Vest.mash. 34 no.7:102-103
Jl '54. (MLRA 7:8)

(Tsessarskii, V.I.) (Punching machinery)

VAYN'RAUB, D. A.

"Methods of Designing Stamped Instrument Parts and an Investigation of the Possibilities for Precise Punching and Bending." Cand Tech Sci, Leningrad Inst of Precision Mechanics and Optics, Min Higher Education USSR, Leningrad, 1955. (KL, No 9, Feb 55)

SO: Sum. No. 631, 26 Aug 55-Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (14)

ONIKUL, Ya.Ye., inzhener; STRASHUN, K.Z., inzhener; ROMANOVSKIY, V.P.,
kandidat tekhnicheskikh nauk, dotsent; SHILOV, V.S., inzhener,
retsensent; VAYNTRAUB, D.A., inzhener, redaktor

[Stamping non-metallic materials] Shtampovka nemetallicheskih
materialov. Pod obshchei red. V.P.Romanovskogo. Moskva, Gos. nauchno-
tekhn. izd-vo mashinostroit. lit-ry, 1955. 56 p. (Bibliotekha
shtampovshchika, no.8) (MLRA 9:12)
(Sheet-metal work)

VAYNTRAUB, D.A., inzh.; ROMANOVSKIY, V.P., kand.tekhn.nauk, dots., red.;
MALOV, A.N., kand.tekhn.nauk, retsenzent; ZORIN, N.K., inzh.
red.; POL'SKAYA, R.G., tekhn.red.

[Improving precision of stamped parts requiring punching and
bending] Povyshenie tochnosti shtampuemykh detalei pri vyrubke i
gibke. Pod obshchei red. V.P.Romanovskogo. Moskva, Gos.nauchno-
tekhn.izd-vo mashinostroit. lit-ry, 1955. 65 p. (Bibliotekha
shtampovshchika, no.3) (MIRA 11:2)
(Punching machinery)

VAYNTRAUB, D.A., inzhener.

Technology of cold stamping; review of foreign literature. Vest.
mash. 35 no.10:80-86 0 '55. (MLBA 9:1)
(Sheet-metal work)

VAYNTRAUB, D. A.

USSR/ Engineering - Sheet metal working

Card 1/1 Pub. 128 - 11/28

Authors : Vayntraub, D. A., Eng.

Title : Technological calculations for drawing deep rectangular boxes

Periodical : Vest. mash. 35/6, 48 - 53, Jun 1955

Abstract : Drawing processes occurring during shaping of deep rectangular boxes made of sheet metal are discussed, and methods for calculation of blank configurations, dimensions, and the amount of wrinkling and deformation in drawing with and without a blank holder, are given. Four USSR references (1947-1953). Drawings; tables.

Institution :

Submitted :

VAYNTRAUB, D. A.

AID P - 4215

Subject : USSR/Engineering
Card 1/1 Pub. 103 - 16/20
Author : Vayntraub, D. A.
Title : DIE for Punching Holes in Walls of High Cylindrical Parts.
Periodical : Stan. 1 instr., 1, 39, Ja 1956
Abstract : A new punching tool was designed by A. P. Kalmykov, for the easy and quick making of holes in cylindrical parts. According to the description, it is simple in construction and operation, practically eliminates spoilage, and reduces labor required by 3-times. Two drawings.
Institution : None
Submitted : No date

VAYNTRAUB, D. A.

AID P - 4258

Subject : USSR/Engineering
Card 1/1 Pub. 128 - 16/33
Authors : Vayntraub, D. A., Engineer and V. N. Kulikov, Stamping
fitter
Title : Unsuccessful construction of a double action press
Periodical : Vest. mash., #1, p. 54, Ja 1956
Abstract : The many defects of double action press (stamping and
extruding) designed by the Central Bureau of Machine
Construction (TSBKM) and built in 1953 by the Odessa
plant are outlined by the authors of this article.
Institution : None
Submitted : No date

AID P - 4854

Subject : USSR/Engineering

Card 1/1 Pub. 103 - 14/26

Author : Vayntraub, D. A.

Title : Making punching dies

Periodical : Stan. 1 instr., 2, 35, F 1956

Abstract : Certain parts in radio sets and similar apparatuses are made of brass or duraluminum and have many holes of various sizes. To make those holes with the needed precision and without distortion of the part or chassis require more than usual precision and special dies. The description of these dies and the materials with which they are made with and the technique necessary are described by the author of this article.

Institution : None

Submitted : No date

VAYNTRAUB, D., inshener.

Method of rotation machining through pressing. Prom.koop.no.5:
27-29 My '56. (Machine tools) (MLRA 9:9)

Vayntraub, D. A.

USSR/Engineering - Machine tools

Card 1/1 Pub. 128 - 16/33

Authors : Vayntraub, D. A., and Kulikov, V. N.

Title : The unsuccessful design of a double action press

Periodical : Vest. mash. 36/1, page 54, Jan 1956

Abstract : The authors comment on failures in design of the double action K-460 drawing press which was initially constructed by the Odessa plant in 1953, in accordance with a project of the Central Bureau of Machine Design. The deficiencies in design as well as in the operation of the above mentioned press are pointed out and a request is made for their radical improvement or a total modification of the press.

Institution :

Submitted :

Vayntraub, D. A.

USSR/ Miscellaneous

Card 1/1 Pub. 128 - 17/33

Authors : Onikul, Ya. Ye.

Title : Letter to the Editor

Periodical : Vest. mash. 36/1, page 55, Jan 1956

Abstract : The letter contains a constructive criticism of D. A. Vayntraub's article, "Technological Calculation in Drawing Deep Rectangular Boxes," published in No. 6, of this periodical for 1955.

Institution :

Submitted :

VAYNPRAUB, D.A., inzhener.

Calculating blanks for bending; letter to the editor. Vest. mash.
36 no.8:59-60 '56. (MLRA 9:10)

(Flexure)

VAYNTRAUB, D.A.

DEMIN, Yevgeniy Nikolayevich; MIKHAYLOV, N.Ye., retsenzent; VAYNTRAUB, D.A.,
inzhener, redaktor; BORODULINA, I.A., redaktor izdatel'stva;
SOKOLOVA, L.V., tekhnicheskii redaktor

[Progressive methods of designing and preparing pressmoulds]
Progressivnye metody proektirovaniia i izgotovleniia pressform.
Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1957.
126 p. (MIRA 10:7)

(Pressing machinery) (Plastics--Molding)

VAYNTRAUB, D.A., inzhener.

Punching small-size keys. Priborostroenie no.7:27 JI '57.

(Keys and keyways (Steelwork))

(Sheet-metal work)

(MLRA 10r9)

VAYNTRAUB, D.A.

Dies used in broaching grooves and lugs. Stan. i instr. 28 no.5:
36 My '57. (MLRA 10:6)
(Dies (Metalworking))

121-7-12/26

AUTHOR: VAYNTRAUB, D.A.
TITLE: A Die for Accurate Bending of Work Pieces. (Shtamp dlya tochnoy gibki detalay, Russian)
PERIODICAL: Stanki i Instrument, 1957, Vol 28, Nr 7, pp 29-30 (U.S.S.R.)
ABSTRACT: In the usual dies the desired spacings can only be observed for that part of the work piece which lies immediately beneath the punch. Holes which are located on the remaining curved part of the work piece usually have to be bored or punched after bending. This is due to the fact that the part bent off is fixed in no manner whatsoever during the assembly of the die and that its dimensions depend on the size of the semi-finished product, the manufacturing errors of the die, etc., which in special cases leads to a considerable variation of dimensions. In this paper a die construction is shown and explained which guarantees accurate observance of the hole spacings, even when located on different levels. All parts of this die are made of tool steel and hardened to Rockwell 57-60. The die consists of a punch and two movable semi-dies connected by hinges, and can be assembled on a standard press block. The die functions in the following way: In its upper position the semi-dies are opened and form a plane on which the semi-finished product (in

Card 1/2

121-7-12/26

A Die for Accurate Bending of Work Pieces.

this case a bracket) is placed and fixed. When the die is joined together the punch presses upon the semi-finished product and bends it, the semi-dies being joined and completing the bending of the fixed semi-finished product. Thus the dimensions of the design and the tolerances can be observed. When the die is taken apart the semi-dies are pushed open and the finished work piece is taken down. For accurate functioning of the die the precise calculation of the hinge shaft position with regard to the semi-die level is of great importance. Calculation formulae are given. (With 2 Illustrations).

ASSOCIATION: Not given
PRESENTED BY:
SUBMITTED:
AVAILABLE: Library of Congress

Card 2/2

VAYNTRAUB, David Abramovich, inzh.; CHULOSHIKOVA, Ye.P., inzh., red.;
KLOPOVA, T.B., tekhn.red.

[New method for manufacturing working pieces of punching and
compound dies] Novyi metod izgotovleniia rabochikh chastei
probiivnykh i sovmeshchennykh shtampov. Leningrad, Leningr.dom
nauchno-tekhn.propagandy, 1958. 3 p. (Informatsionno-tekhnicheskii
listok, no.33. Kholodnaia shtampovka) (MIRA 12:4)
(Dies (Metalworking))

AUTHOR: Vayntraub, D. A., Engineer SOV/119-58-10-7/19
TITLE: The Cold Pressing of Single Parts (Ob'yemnaya shtampovka detali)
PERIODICAL: Priborostroyeniye, 1958, Nr 10, pp 20-21 (USSR)
ABSTRACT: The two stamps are shown in figures, by means of which the production of "counter weights" was simplified. This is achieved by the most modern method, with cold pressing. The modern construction reduced the weight of the material required from 0.073 kg to 0.026 kg per piece. The time of production was cut from 1.12 to 0.27 min. There are 2 figures.

Card 1/1

VAYNTRAUB, D.A. (Leningrad)

Investigating the precision of punching and bending small parts.
[Izd.] LONITOMASH 47:123-129 '58. (MIRA 11:10)
(Sheet-metal work)

VAYNTRAUB, D.A.

Safe dies for punching holes in cylindrical parts. Kuz.-shtan.
proizv. l no.6:45-46 Je '59. (MIRA 12:9)
(Dies (Metalworking))

25(7)

AUTHOR: ~~Vayntraub~~, D. A., Engineer

SD7/119-59-10-12/19

TITLE: A New Method of Forming Local Sheetmetal Protrusions

PERIODICAL: Priborostroyeniye, 1959, Nr 10, p 23 (USSR)

ABSTRACT: A deep drawing method for the manufacture of sheet metal cups is described in the paper under review. The three steps of drawing of the old method are shown in figure 2. The two steps of drawing according to the new method can be seen in figure 3. In the main, these two methods differ from each other by the fact that with the old method the drawing process is always carried out in the same direction, whilst with the new method a shallow cup is drawn in one direction, and the final form of the cup is then drawn in the other direction. This method can be applied when the unbalanced equation: $h_2/d_2 \ll (0.4 - 0.45)$ exists between the height h_2 of the cup and its diameter d_2 . The two drawing steps for a special shape of cup are shown in figures 4 and 5. There are 6 figures.

Card 1/1

28(5)

SOV/119-59-10-19/19

AUTHOR:

Gyntraub, D. A.

TITLE:

On the Faults of a Useful Book

PERIODICAL:

Priborostroyeniye, 1959, Nr 10, pp 32 - Rear Cover (USSR)

ABSTRACT:

The book *Technaya shtampovka detaley optiko-mekhanicheskikh priborov* - (Exact Pressings of Optical-mechanical Instrument Parts) by V. I. Dorin is criticized in the paper under review. It is stated that it contains in some chapters interesting material on the pressing of perforated strips, on individual operations of cold pressing, and on the design and manufacture of press tools. It is further stated that the title of the book does not conform with the contents, since the problem of accuracy is investigated insufficiently. The optical-mechanical production is hardly dealt with. The first chapter on the classification of press operations, the presses and range of their applications, is practically a repetition of the corresponding paper by V. P. Romanovskiy. A number of faults are then pointed out and it is further established that a lot of well known things are dealt with. 70% of the illustrations are also said not to be original, having been published already previously. It is stated in con-

Card 1/2

On the Faults of a Useful Book

SOV/119-59-10-19/19

clusion that the book conveys a lot of useful knowledge, but that the author reduces the value of the book through inexact choice of the material. There is 1 Soviet reference.

Card 2/2

USCOMM_DC-61,909

VAYNTRAUB, D.A.

Dies for upsetting eccentric heads. Stan.1 instr. 30 no.3:37
Mr. '59. (MIRA 12:3)
(Dies (Metalworking))

MURAMOVICH, Grigoriy Il'ich; VAYNTRAUB, D.A., red.

[Experience in introducing and using universal blocks, die sets, and accessory tools for the group die stamping of parts] Opyt vnedreniia i ekspluatatsii universal'nykh blokov, paketnykh shtampov i sredstv mekhanizatsii dlia gruppovoi shtampovki detalei. Leningrad, 1965. 24 p.
(MIRA 18:5)

KOSMACHEV, Ivan Georgiyevich. Prinimal uchastiye VAYNTRAUB, D.A.,
kand. tekhn. nauk; MAYZLISH, Ya.B., nauchn. red.;
MAKSIMOVA, Yu.M., red.

[Fundamentals of fitting in tool production] Osnovy sle-
sarnogo dela v instrumental'nom proizvodstve. Moskva,
Vysshaya shkola, 1965. 287 p. (MIRA 18:12)

RAZUMOV, Yuriy Anisimovich; ARTIM'YEV, Nikolay Arsen'yevich;
VAYNTRAUB, D.A., red.

[Turning parts with universal dies in conditions of short-run production] Gibka detalei na universal'nykh shtampakh v usloviakh melkoseriinogo proizvodstva. Leningrad, 1964. 21 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Goriachala i kholodnaia obrabotka metallov davleniem, no.3) (MIRA 17:7)